

## **Micromirror Truss Structure and Fabrication Method**

### **ABSTRACT**

5           A micromirror (110) includes a frame portion (112), a gimbal portion (114) and  
a mirror portion (116) formed from a single piece of material. A plurality of truss  
members (140/142) are disposed beneath the gimbal portion (114) and mirror portion  
(116), allowing the gimbal and mirror portions (114/116) to be made of a thinner  
material, reducing the mass and increasing the resonant frequency of the micromirror  
10   device (110).